

SEARCH REQUEST FORM

Examiner # (Mandatory): Kate 73510 Requester's Full Name: Chris TateArt Unit 1654 Location (Bldg/Room#): 11 B09 Phone (circle) 305 306 308) 2114Serial Number: 09/629, 341 Results Format Preferred (circle): PAPER DISK E-MAILTitle of Invention Novel material from Ecklonia cavaInventors (please provide full names): Bong-Ho Lee et al.Earliest Priority Date: 8/2000

Keywords (include any known synonyms registry numbers, explanation of initialisms):

RECEIVED
MAR 12 2003
(STCN)

Search Topic:

Please write detailed statement of the search topic, and the concept of the invention. Describe as specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc., if known. You may include a copy of the abstract and the broadcast or most relevant claim(s).

Please search the chemical compound
of claim 1 (attached).

-Thanks

STAFF USE ONLY

Searcher: StephanSearcher Phone #: 308-4449

Searcher Location: _____

Date Picked Up: _____

Date Completed: 3/17/03

Clerical Prep Time: _____

Terminal Time: _____

Number of Databases: _____

Type of Search

 N.A. Sequence

Vendors (include cost where applicable)

STN

 A.A. Sequence

Questel/Orbit

 Structure (#)

Lexis/Nexis

 Bibliographic

WWW/Internet

 Litigation

In-house sequence systems (list)

 Fulltext

Dialog

 Procurement

Dr. Link

 Other

Westlaw

 Other (specify)

WEST Search History

DATE: Thursday, March 13, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L6	L4 not l2	18	L6
L5	L4 not .2	42	L5
L4	l1 and (extract\$4 or compound or material)	42	L4
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L3	6384085.pn.	1	L3
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L2	L1 same (extract\$5 or compound)	24	L2
L1	Ecklonia cava or Ecklonia cave or kajime	50	L1

END OF SEARCH HISTORY

Date 09_629341

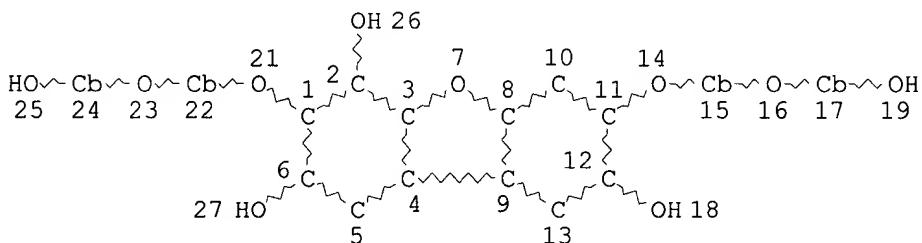
=> fil hcplus
FILE 'HCAPLUS' ENTERED AT 14:38:47 ON 17 MAR 2003
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FILE COVERS 1907 - 17 Mar 2003 VOL 138 ISS 12
FILE LAST UPDATED: 16 Mar 2003 (20030316/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L1 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE
L3 2 SEA FILE=REGISTRY SSS FUL L1
L4 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L3

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=> d ibib abs hitrn 14 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:793438 HCAPLUS
DOCUMENT NUMBER: 135:335120
TITLE: Antioxidant dicavals A and B as dibenzofuran derivatives and isolation of them from Ecklonia cava

Date 09_629341

INVENTOR(S): Yi, Bon Ho; Che, Byong Wook; Yu, Kien Shik; Kim, Sang
Keun; Shin, Hyon Chul
PATENT ASSIGNEE(S): Ventree Co., Ltd., S. Korea
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001302655	A2	20011031	JP 2001-7406	20010116
PRIORITY APPLN. INFO.:			KR 2000-22593	A 20000427
AB	The dibenzofuran derivs., dicaval A and B are isolated from crushed E. cava by extn. with org. solvents and fractionation. They are useful as antioxidants.			
IT	370553-48-3P, Dicaval A 370553-49-4P, Dicaval B RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation) (isolation of antioxidant dicavals A and B as dibenzofuran derivs. from Ecklonia cava)			

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=> fil caold
FILE 'CAOLD' ENTERED AT 14:39:22 ON 17 MAR 2003
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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=> s 13
L5 O L3

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=> fil reg
FILE 'REGISTRY' ENTERED AT 14:39:26 ON 17 MAR 2003
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Property values tagged with IC are from the ZIC/VINITI data file

provided by InfoChem.

STRUCTURE FILE UPDATES: 16 MAR 2003 HIGHEST RN 499182-00-2
 DICTIONARY FILE UPDATES: 16 MAR 2003 HIGHEST RN 499182-00-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

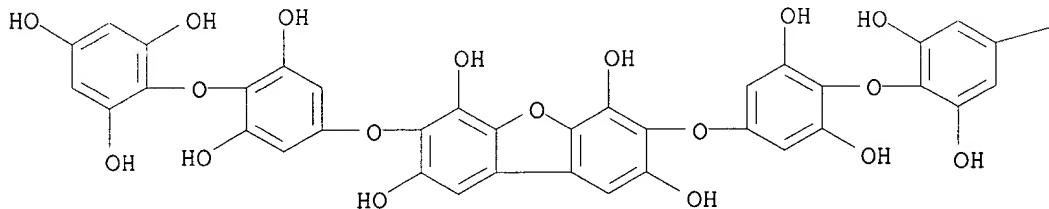
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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L3 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS
 RN 370553-49-4 REGISTRY
 CN 2,4,6,8-Dibenzofuranetrol, 3,7-bis[3,5-dihydroxy-4-(2,4,6-trihydroxyphenoxy)phenoxy]- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Dicaval B
 MF C36 H24 O19
 SR CA
 LC STN Files: CA, CAPLUS

PAGE 1-A



PAGE 1-B

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

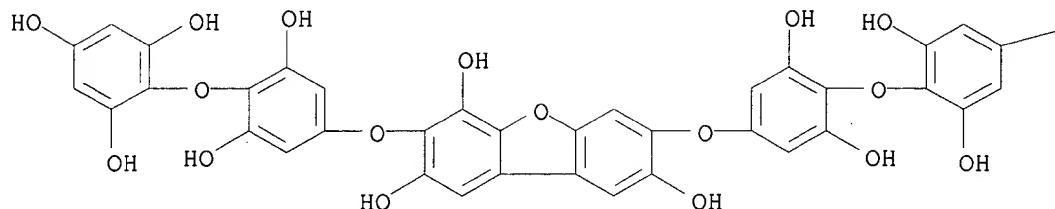
1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:335120

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS
 RN 370553-48-3 REGISTRY
 CN 2,4,8-Dibenzofurantriol, 3,7-bis[3,5-dihydroxy-4-(2,4,6-trihydroxyphenoxy)phenoxy]- (9CI) (CA INDEX NAME)
 OTHER NAMES:

CN Dicaval A
MF C36 H24 O18
SR CA
LC STN Files: CA, CAPLUS

PAGE 1-A



PAGE 1-B

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:335120